

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033038.D
 Acq On : 20 Nov 2023 21:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050334

Quant Time: Nov 20 23:45:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:40:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	324849	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	320833	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	193788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	76277	44.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.820%		
7) Chloroethane-d5	1.532	69	58092	44.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.940%		
11) 1,1-Dichloroethene-d2	2.060	65	31453	45.258	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.520%		
21) 2-Butanone-d5	3.783	46	113520	105.049	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.050%		
24) Chloroform-d	4.249	84	202398	48.354	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.700%		
26) 1,2-Dichloroethane-d4	4.941	65	124832	47.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.620%		
32) Benzene-d6	4.960	84	365148	48.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.740%		
36) 1,2-Dichloropropane-d6	5.989	67	102648	48.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.900%		
41) Toluene-d8	7.243	98	350181	49.098	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.200%		
43) trans-1,3-Dichloroprop...	7.551	79	61506	49.727	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.460%		
47) 2-Hexanone-d5	8.024	63	95781	109.250	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.250%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	160378	49.730	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.460%		
66) 1,2-Dichlorobenzene-d4	11.561	152	163913	47.432	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	164349	46.829	ug/L	98
3) Chloromethane	1.214	50	113978	43.518	ug/L	99
5) Vinyl chloride	1.285	62	110459	45.464	ug/L	99
6) Bromomethane	1.484	94	71672	44.643	ug/L	96
8) Chloroethane	1.548	64	58967	43.880	ug/L	98
9) Trichlorofluoromethane	1.712	101	185158	47.074	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	87607	45.170	ug/L	99
12) 1,1-Dichloroethene	2.069	96	81867	45.716	ug/L	98
13) Acetone	2.108	43	80493	76.128	ug/L	99
14) Carbon disulfide	2.243	76	273627	45.942	ug/L	98
15) Methyl Acetate	2.368	43	90517	48.832	ug/L	98
16) Methylene chloride	2.445	84	113737	44.829	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	109936	47.969	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	356128	49.537	ug/L	99
19) 1,1-Dichloroethane	3.111	63	193018	47.148	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	122874	47.818	ug/L	98
22) 2-Butanone	3.860	43	125168	91.427	ug/L	95
23) Bromochloromethane	4.146	128	67187	47.537	ug/L	97
25) Chloroform	4.275	83	217964	47.303	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	173409	48.242	ug/L	100
29) Cyclohexane	4.584	56	151358	48.897	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	206958	49.388	ug/L	99
31) Carbon tetrachloride	4.735	117	187928	48.124	ug/L	98
33) Benzene	5.008	78	439531	49.253	ug/L	100
34) Trichloroethene	5.834	95	124353	49.437	ug/L	96
35) Methylcyclohexane	6.050	83	179740	49.163	ug/L	99
37) 1,2-Dichloropropane	6.092	63	105162	48.010	ug/L	100
38) Bromodichloromethane	6.432	83	163023	47.901	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	192159	50.957	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	249849	104.280	ug/L	97
42) Toluene	7.317	91	491544	49.711	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	190517	50.278	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	121002	49.052	ug/L	98
46) Tetrachloroethene	7.905	164	104667	47.749	ug/L	98
48) 2-Hexanone	8.072	43	189602	100.027	ug/L	98
49) Dibromochloromethane	8.175	129	140614	49.458	ug/L	98
50) 1,2-Dibromoethane	8.281	107	129219	50.016	ug/L	98
51) Chlorobenzene	8.815	112	336489	47.955	ug/L	99
52) Ethylbenzene	8.947	91	557196	49.086	ug/L	100
53) m,p-Xylene	9.072	106	219806	49.285	ug/L	98
54) o-Xylene	9.477	106	214403	49.942	ug/L	100
55) Styrene	9.497	104	389635	50.878	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	170851	49.028	ug/L	99
59) Bromoform	9.664	173	110790	49.056	ug/L	97
60) Isopropylbenzene	9.866	105	592390	50.425	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	134818	48.225	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	477859	50.699	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	503451	50.986	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	308916	49.081	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	311321	46.533	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	304596	48.229	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	40636	49.966	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	235642	48.156	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	225107	50.198	ug/L	98
71) Naphthalene	13.439	128	635548	57.300	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	228351	52.521	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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